

## D&D Subgroup Highlights August 12, 1997

This rescheduled meeting was held in the EESB Stampede Room.

### FY98 Technology Needs Assessment

Wayne Green described the process FDH is using to determine their D&D needs. He distributed what had been done to date by FDH. This years needs were based on last years but they are decoupled from BHI needs and more project specific. At the present time Wayne has 16 needs on his list. The prioritization has been started by the project technical leads using the STCG criteria and descriptions. Wayne reviewed the needs one at a time. In response to a question, Wayne stated that the 324 building needs will apply to the 327 building but the 324 building is further along the D&D process. K-Basin mapping will take place much later but there is a need to start working on the technologies now in order to ensure they are ready when needed.

Kim Koegler stated that BHI is working on separating their needs from FDH's needs in last years needs list. The needs list will be used by the D&D Focus Area (D&DFA) and industry representatives. At the next subgroup meeting the needs will be reviewed and finalized. FDH will meld the needs list from BHI and FDH into one document for Hanford. These needs highlight the technology needed to improve the baseline for D&D at Hanford. The D&DFA (EM-50) and industry will then try to help with technology fixes. The list is a communication tool rather than a decision tool. It will hopefully result in contacts between industry, other government sites and Hanford. Bob Julian wanted to know if industry needs more data than what we are putting together. One suggestion was to reformat the information by moving the current baseline technology description section up right after the needs description statement. It is the Focus Area's responsibility to roll-up the needs for all the DOE sites across the entire complex.

### Laser Demo Update

Mark Mitchell stated that the cables for the laser will be irradiated in the 318 Building and then the unit will be tested in the 324 Building. The test will be to see if there is any loss of power due to the radiation hardening of the cables. There will be no use of the laser in the B-cell hot area. Mark is still looking for projects interested in purchasing the laser for \$60K. Robin Duncan is looking at the cost to make it more mobile (e.g. skid mounting it). The vendor wants it back after this FY if we don't purchase it.

### Pu Decontamination Technology Workshop

Kim Koegler is rescheduling this workshop for September 16. Anyone who signed up or received a notice of the workshop will be renotified. Kim encouraged anyone who has not signed up to do so soon.

### X-Change 97 Planning

Jim Goodenough stated that Dick Baker is trying to collect data on D&D projects across the DOE complex and the nuclear power industry. Dick Baker joined the meeting on a conference call to talk about X-Change planning. Dick has a draft agenda for the workshop and will contact each presenter/author of each paper to see if they feel they were correctly placed on the agenda. Dick talked about the project matrix that he is trying to complete by 8/24. This matrix is based on the INEEL model. Dick said he

would send out an advance copy of the program for X-Change 97. He was told that the current thinking was that no more than eight Hanford employees will be able to attend the meeting.

#### Large Scale Demo Proposal Status

In the discussion with Dick Baker it was verified that RF has turned down \$3 million in funding for their glovebox proposal. General Boyd is the contact at the D&D Focus Area who is working on reallocating the funding. Canyon facilities may be targeted or a joint EPRI/DOE D&D project may be funded. Dick also mentioned that HAMMER could be used to get NRC certification for cleanup technologies. Dick said to check with Gerald Boyd on the status of the funding reallocation. One idea raised was to look at the old proposal Hanford submitted for the glovebox large scale demo to see if it should be updated. The 231-Z building may also be a candidate for a large scale demo. The C-reactor open house has been rescheduled to October 8.

#### Beneficial Reuse 97 Conference Update

This conference was held recently in Knoxville, TN and was attended by Dean Kurath (PNNL) and Ron Borisch. Ron presented a paper on entombment while Dean talked about using a recyclable Cerium process for decontamination. The main focus of the conference was the recovery of metal from radioactive waste. At this time only Cu and Ni reuse made economic sense to decontaminate. A session was also held on naturally occurring radioactive materials (NORM) and the effect of them on the oil/gas industry. Most radioactive scrap being generated in the US today is due to the effect of NORM on equipment in the oil/gas industry.

#### Attendees- D&D Subgroup Meeting 8/12/97

|                 |         |          |
|-----------------|---------|----------|
| Gary Ballew     | PREC    | 946-0611 |
| Ron Borisch     | BWHC    | 372-3382 |
| Robbin Duncan   | BWHC    | 373-2229 |
| Dennis Faulk    | EPA     | 376-8631 |
| Rick Gonzalez   | DOE-RL  | 373-9922 |
| Jim Goodenough  | DOE-AME | 376-0893 |
| Wayne Green     | FDH-TM  | 372-6533 |
| Bob Julian      | Ecology | 736-5702 |
| Kim Koegler     | BHI     | 372-4294 |
| Wayne Martin    | PNNL    | 372-4881 |
| Mark Mitchell   | PNNL    | 372-4069 |
| Steve Weakley   | PNNL    | 372-4275 |
| Nicole Williams | PNNL    | 372-4205 |